

[Manuals.plus](#) /

› [AUTO METER](#) /

› Auto Meter 5315 RPM Signal Adapter Instruction Manual

AUTO METER 5315

Auto Meter 5315 RPM Signal Adapter

Instruction Manual

1. INTRODUCTION

The Auto Meter 5315 Accessories RPM Signal Adapter is designed to provide an engine RPM signal for Auto Meter tachometers in diesel applications. This adapter converts the AC signal from a diesel alternator into a usable RPM signal, enabling accurate tachometer readings for various diesel engines. It is intended as a replacement part for the magnetic pick-up found in the Auto Meter 9112 Universal RPM Signal Tachometer Adapter for Diesel Engines kit.

Image 1: The Auto Meter 5315 RPM Signal Adapter.

2. PRODUCT FEATURES

- Provides an engine RPM signal specifically for diesel applications.
- Compatible with Auto Meter's low RPM tachometer offerings.
- Universal fit type for broad application.

3. WHAT'S IN THE BOX

The package for the Auto Meter 5315 includes:

- One (1) Alternator Probe, Diesel Tachometer Adapter (Replacement)

4. SETUP AND INSTALLATION

Proper installation is critical for accurate operation. This adapter is designed to be connected to a diesel alternator and

then to an Auto Meter tachometer. Ensure all connections are secure and correctly wired.

4.1. General Installation Steps

1. **Identify Alternator Connection Point:** Locate the appropriate AC signal output on your diesel engine's alternator. Consult your vehicle's service manual for specific details.
2. **Mount the Adapter:** Securely mount the 5315 adapter in a location that is protected from excessive vibration, moisture, and extreme heat. Ensure the wiring can reach both the alternator and the tachometer without strain.
3. **Connect to Alternator:** Connect the input wire(s) from the 5315 adapter to the designated AC signal terminal on the alternator. Follow the wiring diagram provided with your complete tachometer kit (e.g., Auto Meter 9112).
4. **Connect to Tachometer:** Connect the output wire from the 5315 adapter to the RPM signal input terminal on your Auto Meter tachometer.
5. **Grounding:** Ensure the adapter is properly grounded to the vehicle's chassis. A secure ground connection is essential for stable operation.
6. **Power Connection:** Connect the adapter's power input (if applicable) to a switched 12-volt power source.



Image 2: Example of a gauge setup, illustrating potential wiring complexity. Ensure all connections are secure.

Important: This adapter is a component of a larger system. Refer to the complete installation instructions for your Auto Meter tachometer and the associated adapter kit (e.g., Auto Meter 9112) for detailed wiring diagrams and specific vehicle requirements.

5. OPERATING INSTRUCTIONS

Once correctly installed, the Auto Meter 5315 RPM Signal Adapter operates automatically. It continuously converts the alternator's AC signal into a pulsed DC signal that your Auto Meter tachometer can interpret to display engine RPM.

5.1. Verifying Operation

1. After installation, start the engine.
2. Observe the Auto Meter tachometer. It should display the engine's RPM.
3. Increase and decrease engine speed to confirm that the tachometer reading responds smoothly and accurately.

6. MAINTENANCE

The Auto Meter 5315 RPM Signal Adapter is designed for durability and requires minimal maintenance. However, periodic checks can help ensure long-term reliability.

- **Connection Integrity:** Periodically inspect all wiring connections to ensure they remain tight and free from corrosion. Loose connections can lead to intermittent or inaccurate readings.
- **Environmental Protection:** Ensure the adapter remains protected from excessive moisture, dirt, and extreme temperatures, which can degrade its performance over time.
- **Wiring Inspection:** Check the wiring for any signs of fraying, cuts, or damage. Repair or replace damaged wires immediately to prevent electrical issues.

7. TROUBLESHOOTING

If you experience issues with your Auto Meter 5315 RPM Signal Adapter or tachometer, refer to the following troubleshooting steps:

- **No RPM Reading:**
 - Verify all wiring connections are secure and correctly made, including power and ground.
 - Ensure the alternator is functioning correctly and producing an AC signal.
 - Check the connection between the adapter and the tachometer.
- **Inaccurate or Erratic RPM Reading:**
 - Confirm that the adapter is compatible with your specific Auto Meter tachometer model.
 - Inspect for any loose or corroded connections, especially at the alternator and tachometer.
 - Ensure the adapter is securely mounted and not subject to excessive vibration.
- **Wire Detachment:**
 - If a wire detaches from the unit, carefully re-solder or re-crimp it to ensure a strong, reliable connection. Use appropriate tools and techniques to prevent future detachment.
 - Ensure strain relief is applied to all wiring to prevent stress on the connections.

If troubleshooting steps do not resolve the issue, contact Auto Meter technical support for further assistance.

8. SPECIFICATIONS

Specification	Detail
Model Number	5315
Brand	AUTO METER
Item Weight	0.01 ounces
Product Dimensions	9.99 x 9.99 x 9.99 inches
Voltage	12 volts
Fit Type	Universal Fit
Application	Diesel Alternator RPM Signal Conversion

9. WARRANTY AND SUPPORT

For information regarding product warranty, returns, or technical support, please refer to the official Auto Meter website or contact their customer service department directly. Keep your purchase receipt for warranty claims.

Auto Meter Contact Information:

Visit www.autometer.com for support resources, FAQs, and contact details.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

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Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question